Place
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Air Force Center for
Environmental Excellence
Consultant Operations Division
3207 North Rd. Bldg 532
Brooks AFB, TX 78235-4531

Preliminary Conference Agenda

REMEDIAL PROCESS OPTIMIZATION

PROMOTING

RISK PROTECTIVE

COST EFFECTIVE

SITE CLOSEOUT

March 6 - 8, 2000 Atlanta, Ge

Conference Background & Objectives

As more and more remediation technologies are installed at hazardous waste sites across the country, the challenge of efficiently operating and monitoring system performance is critical. Systematic Planning must be incorporated in the remediation process to assure RISK PROTECTION, COST EFFECTIVENESS AND PROMPT SITE CLOSURE. It is no longer acceptable to simply install a system, turn on the switch and walk away. Remediation systems have been installed with inadequate site characterization data, without realistic or definitive goals or without a process to evaluate performance data. These practices have resulted in high operational maintenance, and monitoring costs which will continue to rise unless we begin to focus on improving remedial system performance with attainable cleanup goals in mind.

The objectives of this conference are to 1) highlight successes and report on Remedial Process Optimization case studies, and issues related to improving the performance of remediation technologies, 2) showcase practical approaches to cost-effective monitoring of remedial performance, and 3) identify research gaps and needs from current practice.

Who Should Attend

The conference is oriented toward remediation professionals who want to gain a better understanding of the practical application and future direction of Risk Protective-Cost Effective Site Closeout. These professionals include:

- Remediation Project Managers
- Remediation Engineers
- Hydrogeologists
- Environmental Consultants
- State and Federal Regulators
- University Researchers
- Technology Developers

Conference Concepts

earchers and practitioners from nd the country will present:
isk based examples of mizing remediation systems and -term monitoring programs to ove performance and costs iscussions of critical issues solutions facing the gration of remedial action ations and long-term toring
uidance to establish *Systematic ning* in the various diation phases including stigative, remediation design/construction, technical system performance evaluation, and data analysis
◆ Workshop - Fixing Dysfunctional Remediation Teams
◆Short Courses on modeling for system optimization or evaluation, cost-effective sampling methods, contaminant migration, and plume status determination
◆Panel Discussion sessions on:
- **Monitored Natural Attenuation**

Evening workshops

will be offered for in-depth training by field practitioners and researchers on specific topics. The workshops are scheduled for the evenings of March 6, 7, and 8 between 6 p.m. and 10 p.m. There is no cost for the workshops, but you must pre-register to participate. You may pre-register by making your selection on the attached workshop registration form. It

Preliminary Agenda

Monday March 6th

16:00 - 18:00 Conference Registration

19:00 - 21:00 Evening Workshop

Concurrent

19:00 - 21:00 Reception (Cash Bar)

Tuesday March 7th

07:00 - 08:30 Conference Registration

08:30 - 10:30 Plenary Session

11:00 - 15:00 Successful Case Studies

15:20 - 17:30 Competing Views on Source Removal/
And Its Impact on Plume Behavior

18:30 - 22:00 Evening Workshops and Short Course

Wednesday March 8th

Concurrent Sessions A & B

08:00 - 17:30 Session A Remedial Process Optimiza

08:00 - 17:30 Session B Systems Performance Asse

Evening Exhibits, Short Courses, and Worksh

March 6th - 8th Exhibits and Poster Presentations

March 6th Short Course - BIOSCREEN/BIOCHOR

March 7th Short Course - Monitoring Decision Support System

Short Course - BIOPLUME III

March 8th Short Course - RPO Program Management

Short Course - Analytical Strategies and Performance
Based Measurements System (PBMS)

Panel Discussion - Monitored Natural Attenuation

March 6th-8th ATLANTA 2000 AIChE

Remedial Process Optimization Conference

Time	March 6th	
14:00-18:00	Registration	
19:00-21:00	Reception (Cash Bar)	**Screening Model Short Course (35 Persons)** **Chuck Newell** -BIOCHLOR -BIOSCREEN **Chair: John Matthews (AFCEE)**

Time	March 7th	March 8th	
	Risk Protective/Cost Effective Site Closeout ***PLENARY SESSION*** **(200-300 Persons)**	**Remedial Process Optimization** **(100-150 Persons)**	**Systems Performance Assessment** **(100-150 Persons)**
08:30-10:30	**Panel + Presentations By:** -HQ AFBCA Welcome (Mario Ierardi) -EPA QS Nancy Wentworth -EPA TIO Walt Kovalick - RPO Guidance (Lt Col Heyse) **Chair: Maj. Jeff Perl (AFCEE)**	**Data Requirements/ General Guidance** -New Guidance on Systematic Planning -Decision Rules - LTM - RODs - Tech selection - Cleanup goals John Warren NELAP Update Fred Siegelman - **Chair: Javier Santillan**	**Sampling Issues & Data Assessment** -Geostatistical analysis -Sampling Frequency -Categorize Plume zones Kirk Cameron Chuck Newell **Chair: Phil Hunter (AFCEE)**
10:30-11:00	Break		
11:00-12:00 +Lunch 13:30-15:00	**SUCCESSFUL OPTIMIZATION CASE STUDIES** -AFCEE-RPO Pilot Study Results (George, Edwards,) -USACE-Optimization checklists Update -McClellan SVE Site Closeout Protocols (Joe Haily) - -USGS Diffusion Samplers(D Vroblesky) **Chair: Pete Guest or Doug Downey)**	**SVE & Air Sparging** **Chair: Dave Becker (USACE)**	**Risk Assessment Issues** **-**Pathway/Fate & Transport -Conceptual Site Model Update **Chair: Andy Anders (AFCEE)**

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Time	March 7th Plenary (200-300 Persons)	March 8th	
15:00-15:20	Break		
15:20-17:30	**Competing Views on Source Removal/Control and Its Impact on Plume Behavior** **Chair: Maj. Jeff Perl (AFCEE)**	**Advanced Treatment System Optimization (100-150 Persons)** - Alternative Landfill Covers - Technology Development - Performance Based Contracting **Chair: Maj Jeff Cornell (AFCEE)**	**Analytical Issues** -parameter selection -field analytical -remote sensing **Deana Crumbling** **(100-150 Persons)** **Chair: Barry Lesnik (EPA)**
18:30-20:00	**Evening Workshops & Short Courses** (35 people/session) -AFCEE LTMP **Chuck Newell** **Chair: Mark Gill (Mitretek)**	**Monitored Natural Attenuation** -Workshop (35 people/session) **Chair: Patrick Haas (AFCEE)**	**Evening Workshops & Short Courses** -RPO Program Management Cost Data, Risk Assessment Considerations, Cost And Schedule To Complete, Goal Setting, Updating Interagency Agreements (35 people/session) **Chair: Nancy Wentworth (EPA/QS)**
20:30-22:00	**Screening Model Short Course** -BIOPLUME III (35 people/session) **Chuck Newell** **Chair: Mark Gill (Mitretek)**	**Fixing Dysfunctional Remediation Teams** (35 people/session) **Chair: Judy McDonough (Burlington Northern Santa Fe Railway)**	**Analytical Strategies and PMBS** (35 people/session) **Chair: Barry Lesnik (EPA/OSW)**

Vendor and Poster Exhibit Monday - Wednesday

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CONFERENCE SPEAKERS AND CHAIRS

Ms. Nancy Wentworth Director USEPA Quality Staff
Mr. Walt Kovalick Director USEPA Technology Innovation Office
Lt. Col Edward Heyse Chief, AFCEE Consultant Operations
Mr. John Warren USEPA Systematic Planing Guidance Developer
Mr. Fred Siegelman USEPA National Environmental Laboratory Accreditation Program (NELAP) Manager
Mr. Barry Lesnik USEPA SW846 Organic Methods Project Manager
Ms. Deana Crumbling USEPA Technology Innovation Office (TIO)
Maj Jeff Cornell Chief, AFCEE Technology Transfer
Mr. David Becker Editor of the USACE Five Yr Review Checklists
Mr. Timothy Brecheen Reese AFB BEC, AFBCA
Mr. Dennis Thomas USACE Reese IRP Project Manager
Mr. Patrick Haas Natural Attenuation Expert
Mr. Philip Hunter Group Leader AFCEE Consultant Operations
Mr. John Matthews Site Closeout Assistance Visit Coordinator AFCEE
Ms. Andy Anders Toxicologist AFCEE Consultant Operations
Mr. Douglas Downey Author RPO Handbook
Mr. Chuck Newell Author BIOSCREEN and BIOCHLOR
Mr. David Frasier Senior Policy Analyst, Booz Allen and Hamilton Mr. Kirk Cameron MacStat USEPA Statistical Consultant
Mr. Victor Hauser Mitretek Principal Engineer
Mr Mark Gill Mitretek San Antonio Lead Engineer
Ms. Judy McDonough Remediation Manager Burlington Northern Santa Fe RR

CONFERENCE COORDINATORS

Mr. Mario Ierardi AFBCA Environmental Programs
Maj. Jeffery Perl HQ AETC Environmental Directorate

RISK PROTECTIVE COST EFFECTIVE SITE CLOSEOUT
Remedial Process Optimization Conference
Registration Forms

Name: _____
Title:_____
Organization:_____

___
Address:_____

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City/State/Zip Code:
Telephone:
Fax:
E-Mail Address:

Conference Registration Due Date: February 1, 2000
SEATING IS LIMITED -- PLEASE REGISTER EARLY!!
FAX or E-mail to Attn. Marilyn Maclean
x (210) 536-4330 // Marilyn.Maclean@hqafcee.brooks.af.mi
There are 75 AFBCA sponsored complimentary registrations
ave any additional questions, please call (800) 821-4528 xtn 5661 or
(210) 536- 5661 & (210) 536-5244

Evening Short Course & Workshop Registration

Seating is limited - Please register for workshops early
35 persons per session

- **Short Course - BIOSCREEN/BIOCHLOR**
- **Short Course - Monitoring Decision Support Sys**
- **Short Course - BIOPLUME III**
- **Short Course - RPO Program Management**
- **Short Course - Analytical Strategies and Perforn Based Measurements System (PBMS**
- **Short Course - Fixing Dysfunctional Remediatio**
- **Panel Discussion - Monitored Natural Attenuati**

Hotel Information & Hotel Registration Numb

Conference & Meetings
ATLANTA HILTON & TOWERS
255 Courtyard St. NE
Atlanta, GA 30303
404 / 659-2000
800 / 445-8667

Government Rate Lodging
Fairfield Inn
175 Piedmont Ave
SW Atlanta, GA 30311
404 / 659-7777